

REMARKS/ARGUMENTS

1. Summary of the Office Action

Enclosed, please find a copy of the response, filed May 8, 2001, to the Notice of Missing Parts mailed March 1, 2001. Upon inspection, the objection to the Oath and Declaration should be withdrawn.

The Specification has been amended to include the reference numerals, "56" and "342" of Figure 1C and Figure 10, respectively. Upon entry, the objection should be withdrawn.

Claims 10 and 25 have been objected to for allegedly being of improper dependent form for failing to further limit the subject matter of the previous claims 1 and 16. However, Applicants respectfully asserts according to MPEP 2111, the pending claims must be given the broadest reasonable interpretation consistent with the specification. In that light, the specification clearly distinguishes between a functional test and a built-in self-test. Therefore, claims 1 and 16 are directed to functionally verifying the video display system, while claims 10 and 25, respectively, further add the limitation of utilizing the data stream to perform a built-in self-test of the system, as described in the specification. Therefore, it is respectfully requested the objection be withdrawn.

Claims 1-3, 6, 9-18, 21, 24-30, and 49 stand rejected under § 103(a) as allegedly being unpatentable over Jarwala et. al., U.S. patent no 5,444,716 (hereinafter "Jarwala") in view of what was known in the art at the time of invention.

2. **Response to § 112 Rejection**

Claim 30 has been amended to depend from claim 29 and claim 22 has been cancelled. Upon entry of the amendment, the rejection under 35 U.S.C 112 should be obviated.

3. **Response to § 103 Rejections**

Applicants respectfully traverse this rejection for the reasons set out below, and ask the Examiner for reconsideration.

To establish a **prima facie** case of **obviousness**, three basic criteria must be met. First, there must be some suggestion or motivation, either in the references themselves or in the knowledge generally available to one of ordinary skill in the art, to modify the reference or to combine reference teachings. Second, there must be a reasonable expectation of success. Finally, the prior art reference (or references when combined) must teach or suggest all the claim limitations. The teaching or suggestion to make the claimed combination and the reasonable expectation of success must both be found in the prior art, and not based on applicant's disclosure. In re Vaeck, 947 F.2d 488, 20 USPQ2d 1438 (Fed. Cir. 1991).

**THE PRIOR ART REFERENCES DO NOT TEACH OR SUGGEST ALL CLAIM
LIMITATIONS, WHEN CONSIDERED SINGULARLY OR IN COMBINATION.**

Claim 1, as amended, is a method of generating a data stream to functionally verify a video display system and includes the following limitations:

detecting a data selection signal; and
responsive to the data selection signal, providing the data stream to the
video display system,

wherein the providing of the data stream includes composing the data stream utilizing a combination of algorithmically generated data and stored data to produce a video test pattern.

(emphasis added)

The teachings of Jarwala in combination of what was known in the art at the time of invention fails to render the present claims obvious because this reference and knowledge, individually or in combination, simply does not teach or suggest detecting a data selection signal and responsive to the data selection signal, providing the data stream to the video display system, wherein the providing of the data stream includes composing the data stream utilizing a combination of algorithmically generated data and stored data to produce a video test pattern.

Instead, Jarwala discloses a system for testing one or more circuit boards utilizing a chain of boundary scan cells located on each board. The system manages the test process for each board by sending an initiate test command to cause the board to commence testing itself and tracks the failures utilizing registers external to the board. In contrast, Claim 1 recites providing a data stream to a video display system, wherein the providing of the data stream includes composing the data stream utilizing a combination of algorithmically generated data and stored data to produce a video test pattern. Jarwala merely discusses circuit board testing in a general manner and further discloses an automatic test pattern generator that generates one of four different patterns of test vectors in accordance with information stored in a test vector manipulation register within a boundary scan module internal register. This is unlike the functional testing of a video display system by composing a data stream utilizing a combination of algorithmically generated data and stored data to produce a video test pattern as recited in claim 1.

Adding what was know in the art at the time of invention fails to provide Jarwala with providing a data stream to a video display system, wherein the providing of the data stream includes composing the data stream utilizing a combination of algorithmically generated data and stored data to produce a video test pattern.

Because independent claims 16 and 49 have substantially similar limitations as claim 1, the same arguments that applied to claim 1 also apply to claims 16 and 49. Therefore, for at least

the reasons stated above, independent claims 1, 16 and 49, and all claims dependent thereon, are patentable over the cited art.

In light of the above, Applicants respectfully submit that the rejection under 35 U.S.C. § 103 has been overcome, and withdrawal of this rejection is therefore respectfully requested.

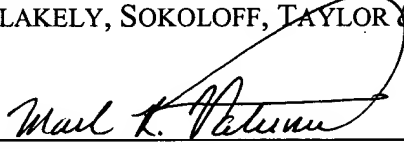
4. **Conclusion**

Having tendered the above remarks and amended the claims as indicated herein, Applicants respectfully submit that all rejections have been addressed and that the claims are now in a condition for allowance, which is earnestly solicited.

If there are any additional charges, please charge Deposit Account No. 02-2666. If a telephone interview would in any way expedite the prosecution of the present application, the Examiner is invited to contact André Marais at (408) 947-8200 ext. 204.

Respectfully submitted,
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

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Mark R. Vatuone
Reg. No. 53,719

12400 Wilshire Blvd.
Seventh Floor
Los Angeles, CA 90025-1026
(408) 947-8200